

WHAT I CLAIM IS:

1. An apparatus to provide multiple patterns of illumination comprising:
 - a) a first plurality of optical fibers each with a first end and a second end;
 - b) a base structure comprising a housing, more than one light source, a motor assembly, and a light governing disk;
 - c) a bundle assembly comprising a cover, means for securing said second ends of said fibers and forming a plurality of bundles, and means for associating said bundles with said base structure such that each bundle receives light from one of said light sources forming a source-bundle pair;
 - d) said light governing disk comprising at least two concentric tracks wherein one said track includes successive transparent color bars; and
 - e) said motor assembly comprising means for turning said light governing disk such that each concentric track travels between at least one source-bundle pair.
2. The apparatus to provide multiple patterns as claimed in claim 1 wherein said means for associating said bundles with said base structure comprise spaced apart openings in said cover.
3. The apparatus to provide multiple patterns as claimed in claim 2 further comprising
 - a) a trunk;
 - b) a plurality of branches such that said first ends of said optical fibers are dispersed among said branches; and
 - c) means for associating said trunk with said bundle assembly.

4. The apparatus to provide multiple patterns as claimed in claim 3 wherein said means for securing said fibers to form said bundles comprises a sleeve element for each bundle.
5. The apparatus to provide multiple patterns as claimed in claim 4 wherein said means for associating said trunk with said bundle assembly comprise said sleeves integrally associated with an adaptor into which said trunk is securely fitted.
6. The apparatus to provide multiple patterns as claimed in claim 4 wherein said sleeve element comprises one closed and at least semi-transparent end near which said second ends of said fibers are positioned and a stop.
7. The apparatus to provide multiple patterns as claimed in claim 6 wherein said means for associating each said bundle with said base structure further comprises cylindrical tubes through said openings in said cover, wherein each said sleeve element is inserted in one said cylindrical tube until said stop rests against said tube.
8. The apparatus to provide multiple patterns as claimed in claim 1 wherein said base structure further comprises venting means to allow heat generated by said light sources to escape.
9. The apparatus to provide multiple patterns claimed in claim 8 wherein said venting means comprise slots in said housing.
10. An apparatus to provide multiple patterns of illumination comprising:
 - a) a plurality of optical fibers each with a first end and a second end;
 - b) a base structure comprising an interior, at least two light sources, a light governing disk, and a motor assembly;
 - c) said motor assembly comprising a spindle and a motor;

- d) said light governing disk comprising at least two concentric tracks, one including color bars and another including alternating black and transparent bars, and associated with said spindle of said motor assembly such that upon actuation of said motor, said light governing disk turns;
 - e) a bundle assembly comprising means for securing said second ends of said fibers and forming a plurality of bundles, and means for associating each said bundle with said base structure such that each bundle is aligned with one light source forming a source-bundle pair; and
 - f) said light governing disk aligned such that upon actuation of said motor, one said concentric track passes between each said source-bundle pair.
11. The apparatus to provide multiple patterns as claimed in claim 10 further comprising:
- a) a trunk;
 - b) a plurality of branches such that said first ends of said optical fibers are dispersed among said branches;
 - c) said means for securing said second ends of said fibers comprise a sleeve element for each said bundle, said sleeve element including a closed and at least semi-transparent end and a stop; and
 - d) means for associating said trunk with said bundle assembly, said means comprising an adaptor into which said trunk is securely fitted and with which said sleeves are integrally associated.
12. The apparatus to provide multiple patterns as claimed in claim 10 wherein said means for securing said second ends of said fibers and forming said bundles comprises a sleeve element, and said means for associating each said bundle with said base

structure comprise a cover and cylindrical, tubular openings through said cover and into which said sleeves are inserted.

13. The apparatus to provide multiple patterns as claimed in claim 12 wherein each said light source further comprises a mounting bracket integral with said interior of said base structure, a lampholder, and a lamp.
14. The apparatus to provide multiple patterns as claimed in claim 13 wherein said base structure further comprises venting means including slots into said interior for allowing heat generated by said light sources to escape.
15. An apparatus to provide multiple patterns of illumination comprising:
 - a) a trunk;
 - b) a plurality of branches;
 - c) a first plurality of optical fibers each with a first end and a second end, said first ends dispersed among said branches;
 - d) a base structure comprising a housing, more than one light source, a motor assembly, and a light governing disk comprising more than one concentric track;
 - e) said motor assembly comprising a motor, a spindle turned by said motor and with which said light governing disk is associated and turned;
 - f) a bundle assembly comprising means for securing said second ends of said fibers and forming bundles and means for associating said bundles with said base structure wherein said means for associating said bundles are positioned such that each bundle receives light from one light source forming a source-bundle pair and directed through one said concentric track; and
 - g) means for associating said trunk with said bundle assembly.

16. The apparatus to provide multiple patterns as claimed in claim 15 wherein said means for securing said second ends of said fibers and forming said bundles comprise a sleeve for each said bundle said sleeve comprising a closed and at least semi-transparent end near which said second ends of said fibers are positioned and said means for associating said trunk with said bundle assembly comprise an adaptor into which said trunk is securely fitted and with which each said sleeve is integrally associated.
17. The apparatus to provide multiple patterns as claimed in claim 15 wherein said more than one concentric track comprise a first track including a sequence of color bars and a second track including a series of dark and light bars such that as said light governing disk is turned by said motor a portion of said plurality of said first ends of said fibers distributed in said branches changes color and a portion of said plurality of said first ends of said fibers distributed in said branches blinks..